

# United States Department of Commerce

## National Institute of Standards and Technology

### **\*Demonstrated Areas of Proficiency**

#### **Mass**

Echelon I	30 kg - 1 mg 50 lb - 0.001 lb 4 oz - 0.03125 oz
Echelon II	250 kg - 1 mg 2500 lb - 0.001 lb 8 oz - 0.0325 oz
Echelon III	500 kg - 1 mg 6000 lb - 0.001 lb 8 oz - 0.03125 oz

#### **Volume**

Gravimetric
20 L - 5 L 100 gal - 1 gill (SVP) 30 gal - 15 gal
Volume transfer
20 L 7500 gal - 1 gal

#### **Length**

Steel tapes
30 m - 0 m 112 ft - 1 ft
Rigid rules
60 in - 1 in

#### **Temperature**

Echelon III	
Echelon IV	
LIG	- 30 °C - 95 °C 95 °C - 230 °C
PRT	- 30 °C - 95 °C 95 °C - 230 °C

#### **Grain Moisture**

13% - 23%

~ Certificate of Measurement Traceability ~  
for

# North Carolina

a participant in the NIST Weights and Measures  
Measurement Assurance Program for the Year(s)

## 2006-2007

The State standards are traceable to NIST and the laboratory  
has demonstrated\* measurement proficiency through training  
and interlaboratory comparisons.



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*Effective Date*

